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Sh	aat	+1	•	1 05 12	Attorney Docket Number	DID	-02W	1127		

Examiner	Cite	Document Number	U. S. PATENT Publication Date		
Initials*	No.1	Number-Kind Code ^{2 (# known)}	MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
		US- 6,522,226	02/18/2003	Crouch et al.	
m		^{US-} 6,580,561	06/17/2003	Crouch et al.	
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<u> </u>	FOREIGN PATENT DOCUMENTS								
Examiner	Cite	Foreign Patent Document	Publication Date	. Name of Patentee or	Pages, Columns, Lines,				
Initials*	No.¹	Country Code ³ Number ⁴ Kind Code ⁵ (If known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear				
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Translation is attached.
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		•			Application Number	10/803, u 0 3			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Filing Date	3/18/04			
					First Named Inventor	David Crouch			
					Art Unit	2873			
		(Use as many sheets as	necessary)		Examiner Name	LOHA BEN			
	Sheet	2	of	2	Attorney Docket Number	PD-02W127			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Ly		Stein Hollung et al., A Quasi-Optical Isolator, IEEE Microwave and Guided Wave Letters, Vol. 6, No. 5, May 1996	
by		Chao-Chun Chen, Transmission of Microwave Through Perforated Flat Planes of Finite Thickness, IEEE Transactions on Microwave Theory and Techniques, Vol. MTT-21, No. 1, January 1973	
lon	1-1	IEEE Microwave and Guide Wave Letters, Volume 6, pages 205-206	<u></u>
m		Nakajima and Watanabe in "A Quasioptical Circuit Technology for Short Millimeter-Wavelength Multiplexers," IEEE Trans. Microwave Theory and Techniques MTT-29, pp.897-905, published Sept. 1981	********

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Examiner Signature		Date Considered 7/23/05	$\overline{\ \ }$

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